

Ref. 1

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 01-131705

(43)Date of publication of application : 24.05.1989

(51)Int.Cl.

E01C 13/00  
A47G 27/02

(21)Application number : 62-289634

(71)Applicant : TORAY IND INC

(22)Date of filing : 18.11.1987

(72)Inventor : KITAMURA YOSHITOMO  
HIGUCHI YOSHIKAZU

## (54) ARTIFICIAL LAWN GROUND

## (57)Abstract:

PURPOSE: To provide an artificial lawn ground having surface elasticity and sands by spreading elastic particles obtained by covering sands with elastic bodies in a lower layer and spreading natural silica sands containing a predetermined silicic acid content or moisture absorbing synthetic resin particles in an upper layer as sands put into lawn meshes.

CONSTITUTION: Sands to be put into lawn meshes of an artificial lawn manufactured by planting pile threads made of synthetic resin on a basic material are constituted as follows. That is, sands covered with butadiene synthetic rubber are spread in a lower layer, and natural silica sands containing silicic acid content of 85% or more or moisture absorbing polyacrylic acid soda, synthetic resin denatured by polyvinyl alcohol graft polymerization, etc., are spread on it. Preferably, a ratio of thickness of natural silica sand in the upper layer to elastic particle in the lower layer is about 100 vs. 30 to 60. Consequently, it is possible to provide the artificial lawn whose surface is not hardened and which has surface elasticity.